

REMARKS

The above-noted Office Action and the references cited therein have been carefully considered and, in view of the amendments herein to the claims and the following representations, reconsideration of the application in its present form is respectfully requested.

First, with respect to the drawings, Applicant amends drawing Figure 1. Change reference numeral "180" to "130" for the dental lab replica. Applicant amends drawing Figure 4 to change reference numeral "422" to "22" for the abutment and adds the words "Prior Art" to Figure 9. Concerning Figure 2, Applicant requests a clarification as Figure 2 contains reference numerals 210, 220 and 230, not reference numerals 240, 241 and 242.

Concerning the specification, Applicant adds in paragraph, after the title reflecting the prior provisional patent application no. 60/316,832 of August 31, 2001.

Concerning the Claims 12, 14, 16, 17, 19, 21, 23, 24, 30, 32, 33, 36, 38 and 39 with allowable subject matter, Applicant request deferral of putting these Claims in independent form, including the base Claim and any intervening Claims, until a determination is made whether the rejected Claims are also allowable.

With respect to the rejected Claims 1-11, 13, 15, 18, 20, 22, 25-29, 31 and 37, Applicant respectfully traverses the finding that the Claims are anticipated or rendered

obvious by the cited patents to Carlson, Sutter and/or Yanney.

The present invention discloses an apparatus and method of preparing dental crowns efficiently and accurately, by the steps of:

- a) preparing a replica analog dental crown mounting pin having at least one pair of radially extending anchoring extensions disposed near a bottom end of said pin;
- b) inserting bottom-end-down the prepared mounting pin into a dental crown casting mold;
- c) securing said prepared mounting pin temporarily in place within the casting mold;
- d) adding settable plastic molding material to said casting mold so as to embed said bottom end of the pin by surrounding the bottom end of the pin with the plastic molding material;
- e) allowing the plastic molding material to set and harden with the prepared pin embedded within the molding material;
- f) wherein the pin comprises at least one pair of anchoring projections oppositely and radially extending from a bottom end of the pin.


In contrast to the dental replica analog of the present invention, these patents describe impression copings for dental implants and posts, not analog replicas used to make a post by providing a negative image thereof in a mold.

For example, Carlsson has a coping for a head for an implant. The protrusions of Carlsson and Sutter are implant protrusions which are impression copings in the top half of an implant. Yanney describes copings in the top half of an implant. Yanney describes barbs for a post, but not for a dental analog.

Applicant submits that the application is in condition for allowance, which allowance is earnestly solicited.

Respectfully submitted,

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